HUMP: HR Nagar

Government of Karnataka

Form No. PWD. 45

Estimate Amount: 1100.00 Lakhs

Name of Work:- Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 9BSh-DW-(10)

Sl	Description of Item	Unit	As per Sanction Estimate	As per Tender			Total Executed Qty	Up to 125%		Above 125% more than tender Qty		Total Amount	Amount		Remarks
			Amount	Qty	Rate	Amount	Qty	Qty	Amount	Qty	Amount		Excess	Savings	
1	2	3	6	7	8	9	10	12	13	14	15	17	18	19	20
1	Removing and Refixing stone slabs of drains and pointing in CM(1:3)Complete as per the direction of Engineer in charge with all lead and lift	Sqm	18224466.25	16567.88	110.00	1822466.25	12525.19	12525.19	1377770.62	0.00	110.00	1377771.09	0.00	446695.25	
2	Earthwork excavation by manual means in ordinary soil invoving in average horizontal throw up to 2m & an average lift upto 1.5m, excavated surface leveled & sides neatly dressed , the disposed earth to be leveled neatly after breaking of clods complete as per specification Complete as per the direction of Engineer in charge with all lead and lift	Cum	21146687.16	9194.29	230.00	2114687.16	9246.87	9246.87	2126780.98	0.00	230.00	2126781.00	1290284	0.20	
3	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundations and compacted by vibration including curing complete as per specifications Complete as per the direction of Engineer in charge with all lead and lift	Cum	966880.70	21.73	4450.00	966880.70	70.78	27.16	4450.00	120858.88	43.62	120902.46	241754.00	240873.20	0.00
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs with 20mm and down size granite metal coarse aggregate and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom slab complete including shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. Including cost of materials, labour, HOM complete as per specifications.-do-wall and bottom thickness 15cm Complete as per the direction of Engineer in charge with all lead and lift	Cum	4308999.00	6156	7000.00	43089999.00	1781.07	76.95	7000.00	538623.75	101.12	8701.57	8702028.38	1357945.00	4294446.38	0.00
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per drgn. laps, hooks and wastage shall not be measured and paid for separately. Fe 500 TMT bars complete as per specification Complete as per the direction of Engineer in charge with all lead and lift	Tn	3560456.69	4.92	72300.00	356045.69	14.25	6.16	72300.00	445057.11	8.99	75806.86	612329.42	1805629.00	702251.21	0.00
6	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 N/mm2 per sqm with cement mortar 1:4 masonry (cement 1 part & fine sand 4 parts) with solid concrete blocks of size 40x15x20cms conforming to I.S. 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications -do with solid concrete blocks of size 400*200*200 mm Complete as per the direction of Engineer in charge with all lead and lift.	Sqm	4635240.00	4879.20	950.00	4635240.00	4879.20	4879.20	4635240.00	0.00	950.00	0.00	4635240.00	0.00	0.00	
7	Providing ruled pointing to coursed stone masonry with cement mortar 1:3 including cost of materials, labour, HOM curing complete as per specifications.- do - cement 20mm deep, after raking joints to depth of 20mm complete as per specifications.- do - cement mortar 1:3Complete as per the direction of Engineer in charge with all lead and lift	Sqm	2700516.00	19289.40	140.00	2700516.00	19289.40	19289.40	2700516.00	0.00	140.00	0.00	2700516.00	0.00	0.00	
8	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs. with 20mm aggregate @ 0.45%cum. machine mixed, concrete as per IS 456:2000 including curing complete as per specifications Complete @ 0.69 cum and including 15 cms. thick, well compacted, for coping layers materials, labour, HOM curing Complete as per specifications Complete as per the direction of Engineer in charge with all lead and lift	Cum	5352808.50	964.47	5550.00	5352808.50	964.47	964.47	5550.00	5352808.50	0.00	5550.00	0.00	5352809.00	0.50	0.00
9	Providing granite slabs of selected quality roughly dressing fixing curing etc., complete and fixed in cement mortar (1:3) joint in charge with all lead complete Complete as per the direction of Engineer in charge with all lead and lift	Sqm	5301720.00	5522.63	960.00	5301720.00	5522.63	5522.63	5301720.00	0.00	960.00	0.00	5301720.00	0.00	0.00	
10	Providing one line dressing to granite stone slab / granite stone masonry as per specifications Complete as per the direction of Engineer in charge with all lead and lift	Sqm	5246493.75	5522.63	950.00	5246493.75	5522.63	5522.63	5246493.75	0.00	950.00	0.00	5246493.00	0.75	0.00	
11	Providing and fixing edges to stone slab 2.5 cms wide as per specifications all lead and chamfering edges to stone slab 2.5 cms wide as per specifications (only chamfered length shall be recorded) Complete as per the direction of Engineer in charge with all lead and lift	Sqm	1546272.00	25771.20	60.00	1546272.00	25771.20	25771.20	1546272.00	0.00	60.00	0.00	1546272.00	0.00	0.00	

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12	[illegible] including cost of all materials, labour, [illegible] unloading etc. complete as per the directions of the Engineer [illegible] 0.60 x 0.25 [illegible] rate [illegible]	Sqm	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	Removing and resetting of Kerb stones Complete as per the direction of Engineer in charge with all lead and lift	M	1396570.00	13965.70	100.00	1396570.00	10670.92	10670.92	100.00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. Complete as per the direction of Engineer in charge with all lead and lift	No's	6118460.00	13301.00	460.00	6118460.00	13301.00	13301.00	460.00	6118460.00	0.00	460.00	0.00	6118460.00	0.00	0.00
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	670353.60	7980.40	84.00	670353.60	7596.36	7596.36	84.00	638093.86	0.00	84.00	0.00	638094.00	0.00	32259.60
16	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	157842.00	350.76	450.00	157842.00	350.09	350.09	450.00	157540.95	0.00	450.00	0.00	157541.00	0.00	301.00
17	Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	313679.52	3734.28	84.00	313679.52	3734.28	3734.28	84.00	313679.52	0.00	84.00	0.00	313680.00	0.48	0.00
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	3366602.40	1691.76	1990.00	3366602.40	1691.76	1691.76	1990.00	3366602.40	0.00	1990.00	0.00	3366603.00	0.60	0.00
19	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	4420830.00	2056.20	2150.00	4420830.00	2056.20	2056.20	2150.00	4420830.00	0.00	2150.00	0.00	4420830.00	0.00	0.00
20	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	250320.00	8940.00	28.00	250320.00	8940.00	8940.00	28.00	250320.00	0.00	28.00	0.00	250320.00	0.00	0.00
21	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	246894.50	49378.90	5.00	246894.50	47869.26	47869.26	5.00	239346.30	0.00	5.00	0.00	239347.00	0.00	7547.50
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.Complete as per the direction of Engineer in charge with all lead and lift	Sqm	1292373.60	107697.80	12.00	1292373.60	101105.25	101105.25	12.00	1213263.00	0.00	12.00	0.00	1213263.00	0.00	79110.60
23	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75mm) with 4.5 % VG-30 Bitumen Complete as per the direction of Engineer in charge with all lead and lift	Cum	20411615.00	2915.95	7000.00	20411615.00	2909.76	2909.76	7000.00	20368327.00	0.00	7000.00	0.00	20368327.00	0.00	43288.00
24	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision. -using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen Complete as per the direction of Engineer in charge with all lead and lift	Cum	18662048.00	2332.76	8000.00	18662048.00	2327.81	2327.81	8000.00	18622470.40	0.00	8000.00	0.00	18622471.00	0.00	39577.00

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25	[illegible] thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	Road markers / Road stud Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications Complete as per the direction of Engineer in charge with all lead and lift	No's	2771600.00	6929.00	400.00	2771600.00	0.00	0.00	400.00	0.00	0.00	400.00	0.00	0.00	0.00	2771600.00
27	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5 do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. Complete as per the direction of Engineer in charge with all lead and lift	Cum	1613496.00	350.76	4600.00	1613496.00	350.09	350.09	4600.00	1610418.60	0.00	4600.00	0.00	1610419.00	0.00	3077.00
28	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel,laying and fixing of 125 micron thick polythene film, wedges, steelplates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. Complete as per the direction of Engineer in charge with all lead and lift	Cum	2000800.00	400.00	5002.00	2000800.00	400.00	400.00	5002.00	2000800.00	0.00	5002.00	0.00	2000800.00	0.00	0.00
29	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	144040.00	2000.00	72.02	144040.00	2000.00	2000.00	72.02	144040.00	0.00	72.02	0.00	144040.00	0.00	0.00
															0.00	0.00
	EIRL Items															
1	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P.W.S.S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre inconsolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accesories to work site,engaging technical personal and labour required etc.,(Issue rate as on date 02/05/2019 It.13.04)	No;s					1.00	1.00	3805.68	3805.68		0.00	3806.00	3806.00	0.00	
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01)	Rmt					50.00	50.00	350.47	17523.50		0.00	17524.00	17524.00	0.00	
		Rmt					50.00	50.00	446.42	22321.00		0.00	22321.00	22321.00	0.00	
		Rmt					50.00	50.00	460.56	23028.00		0.00	23028.00	23028.00	0.00	
3	50 to 100 m	Rmt					50.00	50.00	541.36	27068.00		0.00	27068.00	27068.00	0.00	

11	Providing and fixing 250mm dia PVC (casing pipe) (page no XXXI, SL no 909) (KPWD SR 2016-17)	Rmt	12.00	12.00	2626.00	31512.00		0.00	31512.00	31512.00	0.00
12	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270 2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to Is554/1985 one end fixed with socket confirming to IS 270.2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty. (Page No III,It no 84)PRED SR 2012-13.	Rmt	65.00	65.00	1338.25	86986.25		0.00	86987.00	86987.00	0.00
13	Providing 175mm Dia M.S. Collar (P.No.iii,I No.86) PRED SR 2012-13	No	11.00	11.00	151.50	1666.50		0.00	1667.00	1667.00	0.00
14	Providing 175mm dia Bore Cap CE (M) (P.No.iii,I.No.85) PRED SR 2012-13	No	1.00	1.00	101.00	101.00		0.00	101.00	101.00	0.00
15	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage) (Pg No XLI, SI no 29) KPWD SR-2018-19	No	1.00	1.00	50454.55	50454.55		0.00	50455.00	50455.00	0.00
16	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications. Specification No. KBS 13.2.14/13.6 (page no.92/It no.13.15)KPWD SR 2018-19.	Rmt	390.00	390.00	415.39	162003.19		0.00	162004.00	162004.00	0.00
17	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq mm (PWD Ele SR 2014-15,P-12/It 2.10.3)	Rmt	786.00	786.00	127.97	100582.06		0.00	100583.00	100583.00	0.00
18	Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications.(PWD SR 18-19,P-95/It no.13.62)	No	1.00	1.00	1358.59	1358.59		0.00	1359.00	1359.00	0.00
19	Spplying and fixing 50mm GI Union (PWD SR 2018-19,P-XXXIX)	No	1.00	1.00	225.94	225.94		0.00	226.00	226.00	0.00
20	Spplying and fixing 50mm GI Elbow (PWD SR 2018-19,P-XXXIX)	No	1.00	1.00	112.92	112.92		0.00	113.00	113.00	0.00
21	Spplying and fixing 50mm GI Nipple (PWD SR 2018-19,P-XXXIX)	No	1.00	1.00	105.34	105.34		0.00	106.00	106.00	0.00
22	Spplying and fixing 50mm GI Hose colleres(PWD SR 2018-19,P-XXXIX)	No	65.00	65.00	104.03	6761.95		0.00	6762.00	6762.00	0.00
23	Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P.no.44 / I no. 6.6.6 KPWD ELE SR 2019-20	No	1.00	1.00	305.02	305.02		0.00	306.00	306.00	0.00
24	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(PWD Ele SR 2019-20,P-47/SI no.6.16.6) 40-63 Amps	No	1.00	1.00	1955.36	1955.36		0.00	1956.00	1956.00	0.00
25	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps (PWD Ele SR 2019-20,P-24,It-5.5.1)	No	1.00	1.00	1818.00	1818.00		0.00	1818.00	1818.00	0.00
26	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC(PWD Ele SR 2019-20,p-29,SI no.5.38)	No	1.00	1.00	434.30	434.30		0.00	435.00	435.00	0.00
27	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto 12.5HP(PWD Ele SR 2019 20,p-24,SI no.-5.2.1)	No	1.00	1.00	6464.00	6464.00		0.00	6464.00	6464.00	0.00
28	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.(PWD Ele SR 2019-20,p-44/SI no.5.3)	No	1.00	1.00	752.45	752.45		0.00	753.00	753.00	0.00
29	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of group A. 4 sqmm (PWD Ele SR 2019-20,p-6,It-2.3.4(d)	Mtrs	20.00	20.00	45.45	909.00		0.00	909.00	909.00	0.00
30	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery.(PWD Ele SR 2019-20,p-29/SI no.5.37)	No	4.00	4.00	404.00	1616.00		0.00	1616.00	1616.00	0.00

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31	[illegible] ... from the ... [illegible] IS specification 7.3.3 of IS 732 using 12mm dia (PWD Ele SR 2019-20,p-40,Sl no.6.1)	No					[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
32	Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc., complete (PWD Ele SR 2019-20,p-41,It-6.6.2) hard soil	Mtrs					8.00	8.00	103.02	824.16		0.00	825.00	825.00	0.00
33	Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (excep 2cx 10 sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS-1554,part 1:1988 and confirming to the attached GTP of group A 4 core 16 sq mm PWD Ele SR 2019-20,p-40,It-6.4.4)	Mtrs					10.00	10.00	151.50	1515.00		0.00	1515.00	1515.00	0.00
34	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct. 6 sq mm to 16 sq mm(PWD Ele SR 2019-20,p-41,It-6.5.1)	No					25.00	25.00	11.92	297.95		0.00	298.00	298.00	0.00
35	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm(PWD Ele SR 2019-20,p-41,It-6.9.1)	Rmt					2.00	2.00	338.35	676.70		0.00	677.00	677.00	0.00
36	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications.(PWD Ele SR 2019-20,p-42,It-6.10.2)	No					1.00	1.00	272.70	272.70		0.00	273.00	273.00	0.00
37	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps(PWD Ele SR 2019-20,p-25,It-5.7.3)	No					3.00	3.00	229.27	687.81		0.00	688.00	688.00	0.00
38	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (KPWD SR 2018-19, P-140, It 18.47)	Cum					20.25	20.25	962.47	19490.01		0.00	19491.00	19491.00	0.00
39	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (KPWD SR 2018-19, P-6, It-2.4)	Cum					30.38	30.38	480.70	14601.24		0.00	14602.00	14602.00	0.00
40	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (external work) - 50mm nominal OD pipes (KPWD SR 2018-19, P-99, It-13.87.6)	Cum					225.00	225.00	462.50	104062.32		0.00	104063.00	104063.00	0.00
41	Making connection of G.I.distribution branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the pipes,providing and fixing Tee, nuts,labour for all item of works,testing and HOM of equipments complete as per specifications. (P.No.93/ I.No. 13.20 of KPWD SR 2018-19)	no					1.00	1.00	517.10	517.10		0.00	518.00	518.00	0.00
42	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 20mm nominal OD pipes (KPWD SR 2018-19, P-98, It-13.85.2)	Mtrs					16.00	16.00	168.08	2689.35		0.00	2690.00	2690.00	0.00
43	Providing and fixing to wall, ceiling and floor Medium density polyethylene pipes 6.00 kgf/sq.cm working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 (KPWD SR 2018-19, P-95, It-13.67)	Mtrs					135.00	135.00	138.11	18644.50		0.00	18645.00	18645.00	0.00
44	KSRB 2-4 : Refilling available around earth pipe lines,cables in layers mot exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications.(KPWD SR 2018-19, P-7, it-2.11)	Cum					21.26	21.26	129.54	2754.40		0.00	2755.00	2755.00	0.00

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46	KSR(13.6.2.1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cutting of all materials,labour and HOM of requirments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (Pg No.-93/1,No.-13 2a of KPWD SR 2018-19 2018-19)	n																	
47	KSR(13.6.2.1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cutting of all materials,labour and HOM of requirments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (Pg No.-93/1,No.-13 2a of KPWD SR 2018-19 2018-19)	n					1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
48	KSR(B 4.1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs. with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine vibrated concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete, as per specifications. Specification No. KBS 4.1. 4.2. (P.No 13.1.No. 4.3 of KPWD SR 2018-19)	Cum					10.13	10.13	5861.86	59351.29					0.00	5952.00	5952.00	0.00	
	Sub Total		962174074.2								9265915.27					3556945.09	962161270.9		
	Tender Premium & Miscelleneous																	4914469.28	4915588.79
	TOTAL		962174074.2				962174070.0										962161270.9		

Contractor Quoted the Rates +1% Above the S R Rates of 2018-19.

1) Estimated amount	110000000.00
2) Tendered Amount	96217109.00
3) Actual amount As per Modified Estimate (Work Slip+EIRL)	96216127.00
Percentage of (3)/(2)	0.0%
Savings	982.00
Worksip %	4.11%
EIRL %	1.00%

Since the overall expenditure is lesser then estimated amount. The Work slip & EIRL may please be approved

Assistant Engineer
Ward No 17

ASSISTANT EXECUTIVE ENGINEER
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ವಾರ್ಡ್ ನಂ.17 ರ ಉಸ್ತುವಾರಿ
ವಾರ್ಡ್ ನಂ.17 ರ ಉಸ್ತುವಾರಿ ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

EXECUTIVE ENGINEER
RR Nagar Division

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